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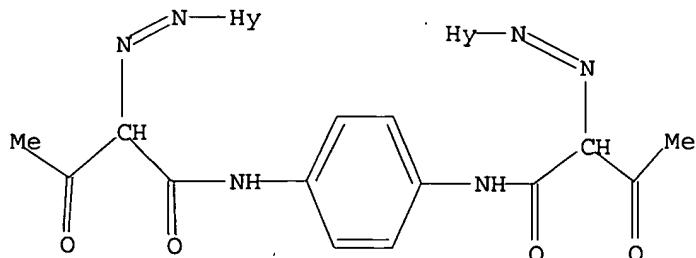
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 L3 1 S L1 OR L2  
 L4 46 S L3 FULL

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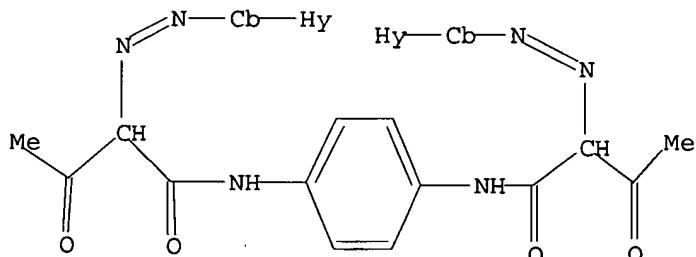
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L1 STR



Structure attributes must be viewed using STN Express query preparation.

L2 STR



Structure attributes must be viewed using STN Express query preparation.

L4 46 SEA FILE=REGISTRY SSS FUL L1 OR L2  
 L5 18 SEA FILE=CAPLUS ABB=ON PLU=ON L4  
 L6 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND (AFTERTREATMENT OR FINISH)

=> d bib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2004:2963 CAPLUS

DN 140:61048

TI Method for producing disazo pigments.

IN Schupp, Olaf; Grimm, Felix W.; Opravil, Manfred; Weber, Joachim

PA Clariant G.m.b.H., Germany

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

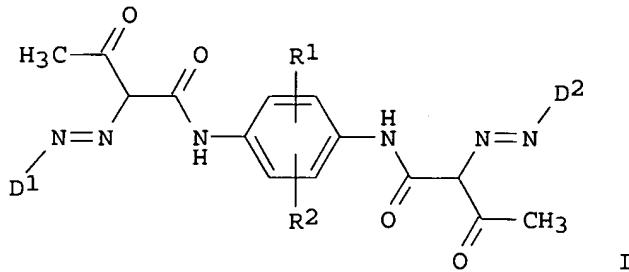
DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004000947	A1	20031231	WO 2003-EP5520	20030527
	W: CN, JP, KR, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	DE 10227527	A1	20040108	DE 2002-10227527	20020620
	EP 1517962	A1	20050330	EP 2003-735467	20030527
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1662610	A	20050831	CN 2003-814158	20030527
	JP 2005535738	T	20051124	JP 2004-514648	20030527
	US 2006167236	A1	20060727	US 2004-519218	20041217
PRAI	DE 2002-10227527	A	20020620		
	WO 2003-EP5520	W	20030527		
OS	CASREACT 140:61048; MARPAT 140:61048				
GI					

APPLICANT



AB Disazo pigments (I) [R1 and R2 = H, C1-4 alkyl, C1-4 alkoxy, C1-5 alkoxycarbonyl, nitro, cyano, halogen, phenoxy or trifluoromethyl, D1 and D2 = the residues from benzimidazole, benzimidazolone, benzimidazolthione, benzoxazole, benzoxazolone, benzothiazolone, indazole, phthalimide, naphthalimide, benzotriazole, chinoline, benzodiazines, phenmorpholine, phenmorpholinone, phthalazine, phthalazinone, phthalazinedione, phthalimide, naphthalimide, benzo[c,d]indolone, benzimidazo[1,2-a]pyrimidone, carbazole, quinoxaline, quinoxalinone, quinoxalindione, quinazoline, quinazolinone, quinazolinedione, and indole] are prepared by azo coupling diazotized amines DNH2 (D = D1 or D2) with a appropriate coupling component and used to dye PVC and lacquers. The invention is characterized in that the coupling product resulting from the azo coupling is subjected to a finish (crystallization) in an organic solvent with an alkaline pH value or in an aqueous organic solvent or suspension with a neutral or alkaline pH value to increase crystal size.

IT 156564-61-3P 637780-29-1P 637780-30-4P

637780-31-5P 642082-65-3P

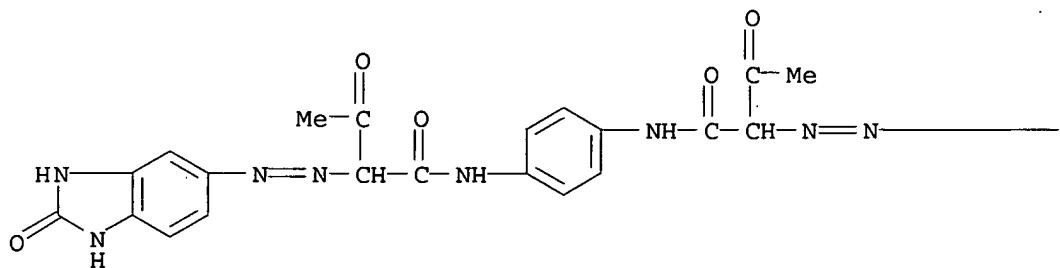
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(disazo pigment; producing disazo pigments by reacting of diazonium salts of heterocyclic amines with coupling component and alkali or neutral posttreatment)

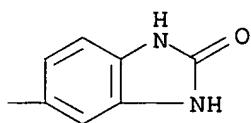
RN 156564-61-3 CAPLUS

CN Butanamide, N,N'-1,4-phenylenabis[2-[(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)azo]-3-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



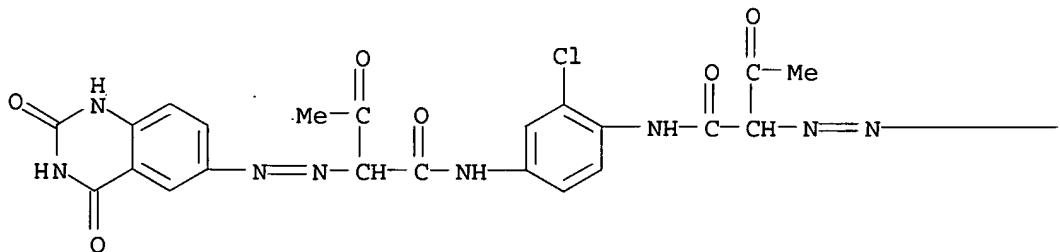
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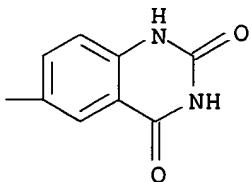
RN 637780-29-1 CAPLUS

CN Butanamide, N,N'-(2-chloro-1,4-phenylene)bis[3-oxo-2-[(1,2,3,4-tetrahydro-2,4-dioxo-6-quinazolinyl)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A



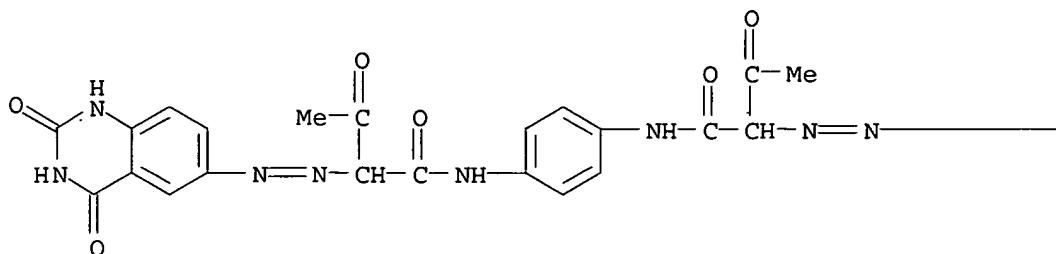
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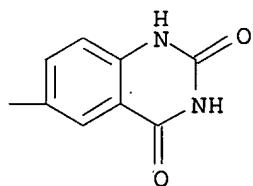
RN 637780-30-4 CAPLUS

CN Butanamide, N,N'-1,4-phenylenebis[3-oxo-2-[(1,2,3,4-tetrahydro-2,4-dioxo-6-quinazolinyl)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A



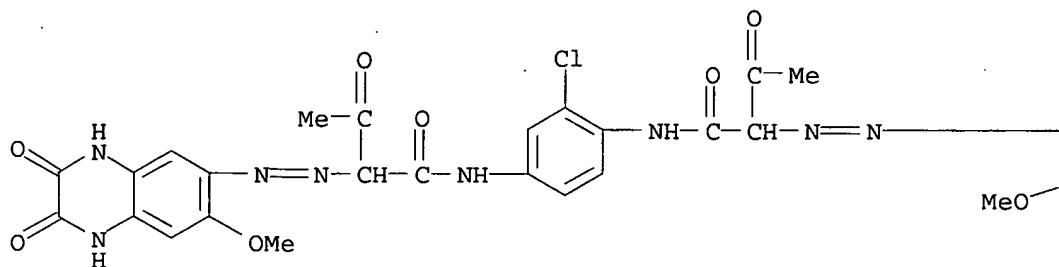
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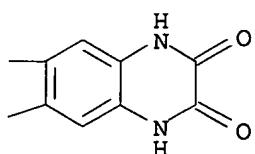
RN 637780-31-5 CAPLUS

CN Butanamide, N,N'-(2-chloro-1,4-phenylene)bis[3-oxo-2-[(1,2,3,4-tetrahydro-7-methoxy-2,3-dioxo-6-quinoxaliny)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

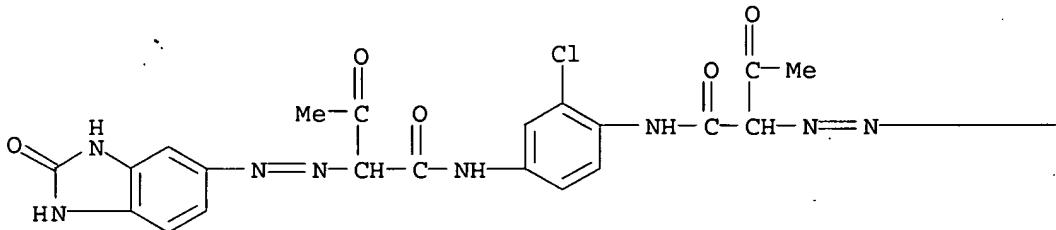


RN 642082-65-3 CAPLUS

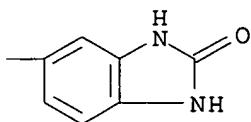
CN Butanamide, N,N'-(2-chloro-1,4-phenylene)bis[2-[(2,3-dihydro-2-oxo-1H-

benzimidazol-5-yl)azo] -3-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



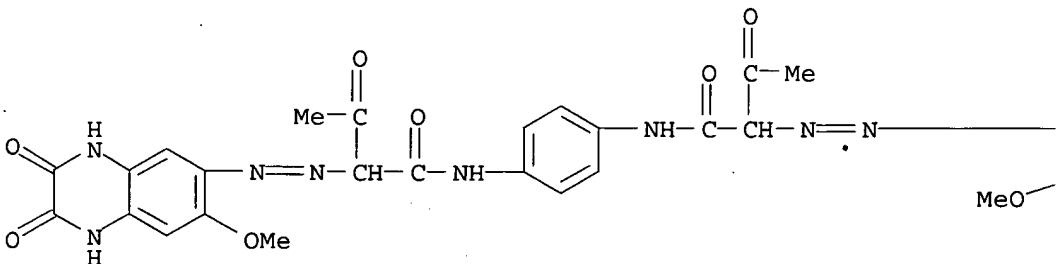
IT 637780-58-6P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (producing disazo pigments by reacting of diazonium salts of heterocyclic amines with coupling component and alkali or neutral posttreatment)

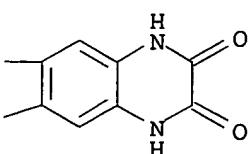
RN 637780-58-6 CAPLUS

CN Butanamide, N,N'-1,4-phenylenebis[3-oxo-2-[(1,2,3,4-tetrahydro-7-methoxy-2,3-dioxo-6-quinoxalinyl)azo] - (9CI) (CA INDEX NAME)

PAGE 1-A



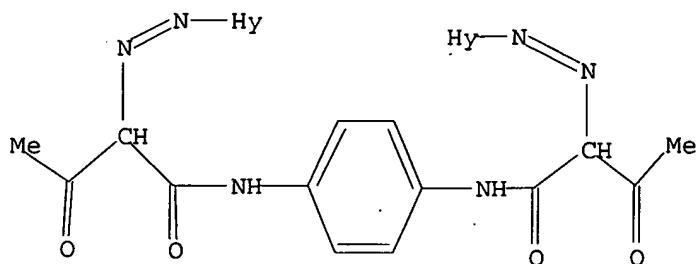
PAGE 1-B



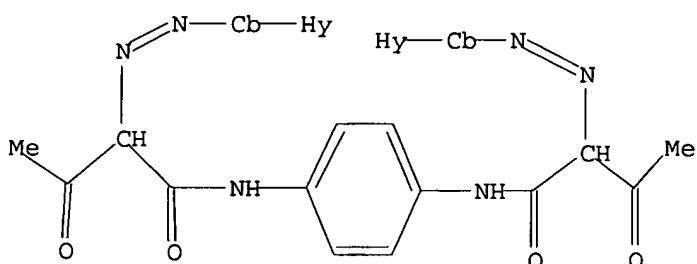
RE.CNT 4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L1 STR



Structure attributes must be viewed using STN Express query preparation.  
L2 STR



Structure attributes must be viewed using STN Express query preparation.  
L4 46 SEA FILE=REGISTRY SSS FUL L1 OR L2  
L5 18 SEA FILE=CAPLUS ABB=ON PLU=ON L4  
L6 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND (AFTERTREATMENT OR FINISH)  
L7 17 SEA FILE=CAPLUS ABB=ON PLU=ON L5 NOT L6  
L8 1 SEA FILE=CAPLUS ABB=ON PLU=ON L7 AND (BASE OR ALKALI OR ALKALINE)

=> d bib abs hitstr

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1988:475189 CAPLUS.  
 DN 109:75189  
 TI Storage-stable anionic dye formulations  
 IN Szymies, Detlef; Wolff, Joachim; Wolf, Karlheinz; Koenig, Joachim;  
 Paulat, Volker  
 PA Bayer A.-G., Fed. Rep. Ger.  
 SO Ger. Offen., 5 pp.  
 CODEN: GWXXBX

DT Patent  
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3631750	A1	19880331	DE 1986-3631750	19860918
	EP 260563	A2	19880323	EP 1987-113035	19870907
	EP 260563	A3	19910828		
	EP 260563	B1	19941123		
	R: CH, DE, FR, GB, LI				
	JP 63077975	A	19880408	JP 1987-229912	19870916

PRAI DE 1986-3631750 A 19860918

AB Homogeneous anionic dye preps., having viscosity  $\geq$  500 mPa-s, contain Z(SO<sub>3</sub>K)1-4 (Z = chromophore residue; K = cation equivalent having  $\geq$  96 equiv % cations from organic N or P bases and  $\leq$  4 equiv % alkali or ammonium cations) 50-100, inorg. salts  $\leq$  0.5, H<sub>2</sub>O  $\leq$  50, (optionally) liquid organic N or P bases  $\leq$  30, and (optionally) solvents and pressure hydrophobic compds.  $\leq$  20 weight%. These low-solids content preps. are useful for manufacture of printing pastes and dye baths. 1 Mol 4-[(4-aminophenyl)azo]benzenesulfonic acid was dissolved in 1800 mL H<sub>2</sub>O at 85°, diazotized in the presence of a cation exchanger base don crosslinked polystyrene (1.2 mol acid groups), coupled with 1 mol benzoyl-I acid at pH 6, and 1 mol N(CH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>OH)<sub>3</sub> added, the dye solution mixed with 0.8 L cation exchange resin (acid-form), filtered, and 2 mol N(CH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>OH)<sub>3</sub> added to pH 5; the solution was stripped under vacuum, producing a highly viscous oil which had  $\approx$  75% red dye content.

IT 115811-22-8

RL: USES (Uses)

(manufacture of low-solids content storage-stable solns. containing)

RN 115811-22-8 CAPLUS

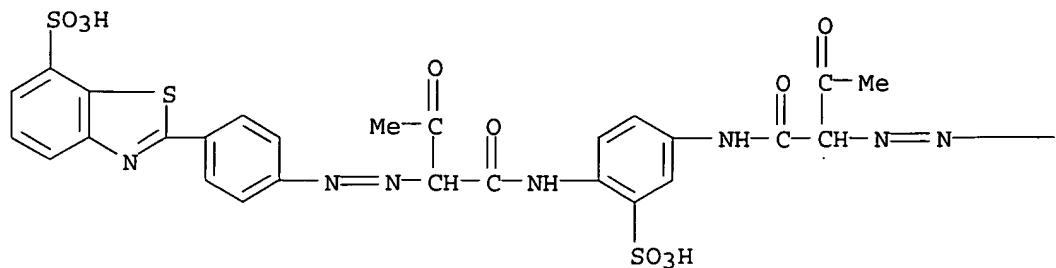
CN 7-Benzothiazolesulfonic acid, 2-[4-[[1-[[4-[[1,3-dioxo-2-[[4-(7-sulfo-2-benzothiazolyl)phenyl]azo]butyl]amino]-3-sulfophenyl]amino]carbonyl]-2-oxopropyl]azolphenyl]-6-methyl-, compd. with 2,2',2'''- [nitrilotris(2,1-ethanediyl)oxy]tris[ethanol] (1:3) (9CI) (CA INDEX NAME)

CM 1

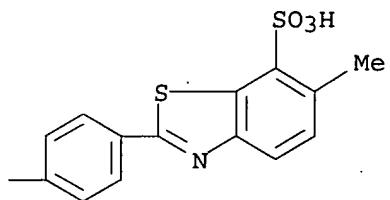
CRN 115811-21-7

CMF C41 H32 N8 O13 S5

PAGE 1-A

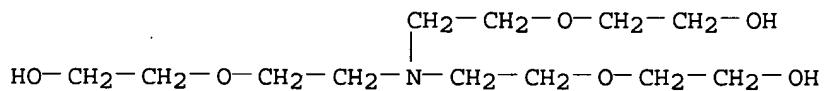


PAGE 1-B



CM 2

CRN 54384-48-4  
 CMF C12 H27 N 06



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L10 19 SEA FILE=CAPLUS ABB=ON PLU=ON ("GRIMM FELIX"/AU OR "GRIMM  
FELIX W"/AU OR "GRIMM FELIX WENDELIN"/AU)  
L11 28 SEA FILE=CAPLUS ABB=ON PLU=ON ("OPRAVIL M"/AU OR "OPRAVIL  
MANFRED"/AU)  
L12 118 SEA FILE=CAPLUS ABB=ON PLU=ON ("WEBER JOACHIM"/AU OR "WEBER  
JOACHIM F L"/AU)  
L13 177 SEA FILE=CAPLUS ABB=ON PLU=ON L9 OR L10 OR L11 OR L12  
L14 7 SEA FILE=CAPLUS ABB=ON PLU=ON L13 AND DISAZO

=> d 1-7 bib abs

L14 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2006:1180378 CAPLUS

DN 145:490714

TI Pigment concentrate based on azo pigment and containing disazo compounds as dispersing agents

IN Weber, Joachim; Hoetzel, Patrick; Schweikart, Karl-Heinz; Alfter, Frank

PA Clariant Produkte (Deutschland) G.m.b.H., Germany

SO Ger. Offen., 17pp.

CODEN: GWXXBX

DT Patent

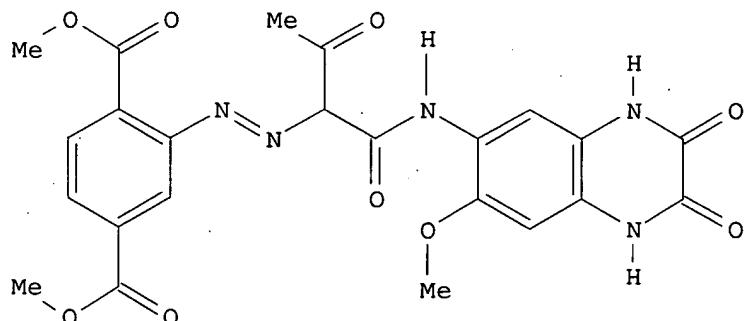
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 102005021160	A1	20061109	DE 2005-102005021160	20050506
	WO 2006119847	A2	20061116	WO 2006-EP3626	20060420
		W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
		RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		

PRAI DE 2005-102005021160 A 20050506

GI



AB A based on I pigment concentrate for dyeing plastics, making color filters for LC

displays, for inks, electrophotog. toners and paints comprises 0.1 - 40% (based on I) disazo compds. ( $\geq 30\%$  of these disazo compds. are asym. disazo compds.) as dispersing agents. Thus, mixing 8 h at 40° 450 g micronized NaCl, 75 g I, 3.9 g an asym. disazo compound as a dispersing agent and 115 mL diethylene glycol, mixing 2 h at 40° the resulting paste with 4 L a 5% aqueous solution H<sub>2</sub>SO<sub>4</sub>, filtering, washing and drying the residue gave 75 g a pigment concentrate used for making inks.

L14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:168451 CAPLUS

DN 144:254986

TI Method for undistorted pigmentation of partially crystalline plastics

IN Ganschow, Matthias; Weber, Joachim

PA Clariant G.m.b.H., Germany

SO PCT Int. Appl., 28 pp.

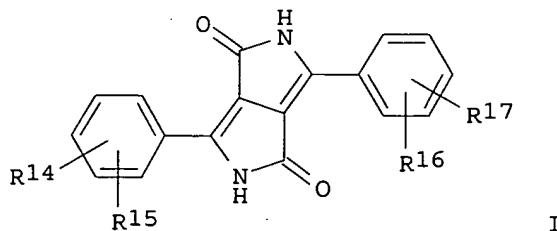
CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

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	DE 102004039954	A1	20060223	DE 2004-102004039954	20040818
PRAI	DE 2004-102004039954 A		20040818		
OS	MARPAT 144:254986				
GI					



AB The invention relates to a method for undistorted bulk coloring of partially crystalline plastics. Said invention is characterized in that a composition is molded that contains (i) a partially crystalline plastic from the

group of homopolymers, terpolymers or ethylene copolymers, propylene, butylene, styrene and/or divinylbenzene, polyesters, polyamides and the thermoplastic ionomers; (ii) a pigment from the group of diketopyrrolopyrroles, quinacridones, disazo condensates, isoindolinones and isoindolines; and (iii) 0.001-0.25 parts, in relation to pigment, of an additive of formula Q(R)<sub>s</sub>, wherein Q is a radical of a diketopyrrolopyrrole compound of formula I, wherein R14, R15, R16 and R17 are H, halo, C1-4-alkyl, C1-4-alkoxy, or cyano; s is a number between 0.1 - 4.0; and R is CONZ1Z2, NZ1Z2 or COOZ3, and Z1 and Z2 are H, (substituted) C1-30 alkyl, or (substituted) C2-30 mono- or polyunsatd. alkenyl and Z3 is H, NH<sub>4</sub>, alkylammonium, alkali metal, (substituted) C1-30 alkyl, or (substituted) C2-30 mono- or polyunsatd. alkenyl. A typical I was manufactured by reaction of 3-cyanobenzoic acid with thionyl chloride, reaction of the resulting acyl chloride with N-methylbutylamine, and cyclization of the resulting benzonitrile derivative with diisopropyl succinate.

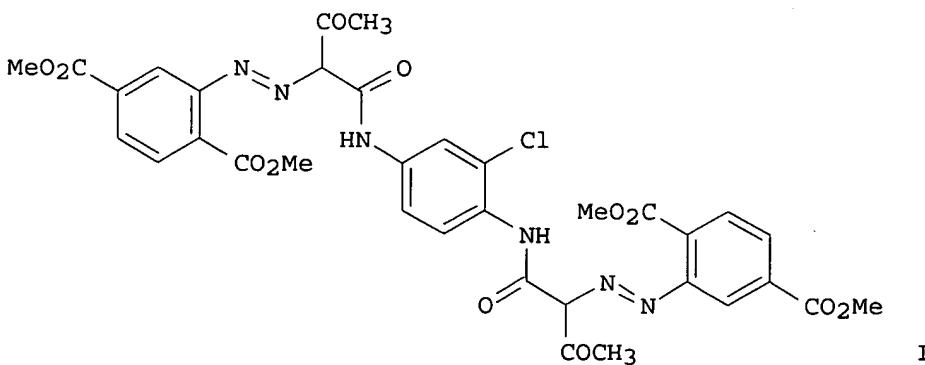
RE.CNT 3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:472248 CAPLUS  
 DN 143:9189  
 TI Pigment compositions consisting of organic yellow pigment and phthalocyanine pigment  
 IN Weber, Joachim; Wilker, Gerhard; Alfter, Frank; Macholdt, Hans-Tobias  
 PA Clariant G.m.b.H., Germany  
 SO PCT Int. Appl., 26 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005049738	A1	20050602	WO 2004-EP12789	20041111
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	DE 10353126	A1	20050609	DE 2003-10353126	20031114
	CA 2546483	A1	20050602	CA 2004-2546483	20041111
	EP 1689818	A1	20060816	EP 2004-797819	20041111
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	CN 1878840	A	20061213	CN 2004-80033437	20041111
PRAI	DE 2003-10353126	A	20031114		
	WO 2004-EP12789	W	20041111		

GI



AB A pigment composition useful for coloration of high-mol.-weight materials such as plastics, lacquers and coatings, electrophotog. developers and toners, inks, etc., contains disazo pigment I and  $\geq 1$  phthalocyanine pigment. For example, a mixture of NaCl 90, C.I. Pigment Green 36 10.5, disazo pigment I 4.5 g and 15 mL diethylene glycol was kneaded for 8 h at 45°, the mixture was stirred for 2 h at 40-45° with 150 mL 5% aqueous HCl, the resulting suspension was

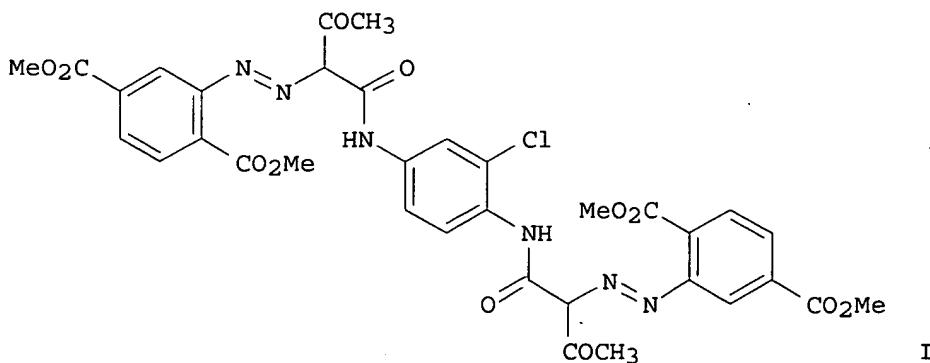
filtered and the solids washed and dried at 80° to give a title composition that gave intensive yellowish-green color in an alkyd-melamine lacquer.

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:472247 CAPLUS  
 DN 143:28081  
 TI Pigment compositions consisting of yellow disazo pigment and organic pigments  
 IN Weber, Joachim; Wilker, Gerhard; Alfter, Frank; Macholdt, Hans-Tobias  
 PA Clariant G.m.b.H., Germany  
 SO PCT Int. Appl., 26 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005049737	A1	20050602	WO 2004-EP12788	20041111
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10353127	A1	20050609	DE 2003-10353127	20031114
	CA 2545210	A1	20050602	CA 2004-2545210	20041111
	EP 1689817	A1	20060816	EP 2004-797818	20041111
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	CN 1878841	A	20061213	CN 2004-80033438	20041111
PRAI	DE 2003-10353127	A	20031114		
	WO 2004-EP12788	W	20041111		

GI



AB A pigment composition useful for coloration of high-mol.-weight materials such as plastics, lacquers and coatings, electrophotog. developers and toners, inks, etc., contains disazo pigment I and  $\geq 1$  pigment selected from organic orange, red and violet pigments. For example, a mixture of NaCl 90, C.I. Pigment Red 177 9, disazo pigment I 6 g and 17 mL diethylene glycol was kneaded for 8 h at 40°, the mixture was stirred for 2 h at 40° with 200 mL 5% aqueous HCl, the resulting

suspension was filtered and the solids washed and dried at 80° to give a title composition that gave intensive reddish-orange color in an alkyd-melamine lacquer.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:283547 CAPLUS  
 DN 142:337844

TI Pigment compositions consisting of organic and inorganic pigments for coloration of polymers and coatings.

IN Weber, Joachim; Wilker, Gerhard

PA Clariant GmbH, Germany

SO PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005028564	A1	20050331	WO 2004-EP9241	20040818
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10342601	A1	20050421	DE 2003-10342601	20030912
	EP 1664203	A1	20060607	EP 2004-764228	20040818
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1849374	A	20061018	CN 2004-80026184	20040818
PRAI	DE 2003-10342601	A	20030912		
	WO 2004-EP9241	W	20040818		

AB Pigment compns. for coloration of polymers and coatings consist of  $\geq 1$  organic yellow pigment and  $\geq 1$  inorg. pigment. Thus, a mixture containing 80 weight parts of Pigment Yellow 184 and 20 weight parts of Pigment Yellow 213 is dispersed in butanol-treated melamine resin resulting in yellow paint having increased chemical stability.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:2963 CAPLUS

DN 140:61048

TI Method for producing disazo pigments.

IN Schupp, Olaf; Grimm, Felix W.; Opravil, Manfred; Weber, Joachim

PA Clariant G.m.b.H., Germany

SO PCT Int. Appl., 39 pp.

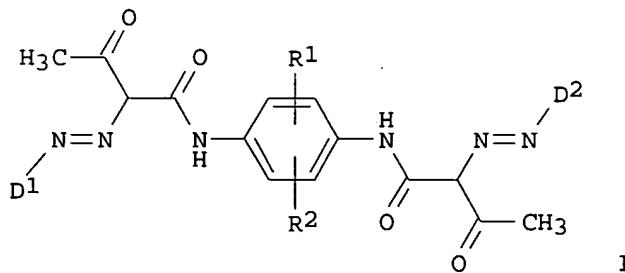
CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004000947	A1	20031231	WO 2003-EP5520	20030527
	W: CN, JP, KR, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	DE 10227527	A1	20040108	DE 2002-10227527	20020620
	EP 1517962	A1	20050330	EP 2003-735467	20030527
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1662610	A	20050831	CN 2003-814158	20030527
	JP 2005535738	T	20051124	JP 2004-514648	20030527
	US 2006167236	A1	20060727	US 2004-519218	20041217
PRAI	DE 2002-10227527	A	20020620		
	WO 2003-EP5520	W	20030527		
OS	CASREACT 140:61048; MARPAT	140:61048			
GI					



AB Disazo pigments (I) [R1 and R2 = H, C1-4 alkyl, C1-4 alkoxy, C1-5 alkoxy carbonyl, nitro, cyano, halogen, phenoxy or trifluoromethyl, D1 and D2 = the residues from benzimidazole, benzimidazolone, benzimidazolthione, benzoxazole, benzoxazolone, benzothiazolone, indazole, phthalimide, naphthalimide, benzotriazole, chinoline, benzodiazines, phenmorpholine, phenmorpholinone, phthalazine, phthalazinone, phthalazinedione, phthalimide, naphthalimide, benzo[c,d]indolone, benzimidazo[1,2-a]pyrimidone, carbazole, quinoxaline, quinoxalinone, quinoxalindione, quinazoline, quinazolinone, quinazolinedione, and indole] are prepared by azo coupling diazotized amines DNH2 (D = D1 or D2) with an appropriate coupling component and used to dye PVC and lacquers. The invention is characterized in that the coupling product resulting from the azo coupling is subjected to a finish (crystallization) in an organic solvent with an alkaline pH value or in an aqueous organic solvent or suspension with a neutral or alkaline pH value to increase crystal size.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2002:216130 CAPLUS

DN 136:249013

TI New crystal modifications of a yellow disazo pigment, their production and their use

IN Jung, Ruediger; Metz, Hans-Joachim; Weber, Joachim; Schmidt, Martin U.; Schupp, Olaf; Wacker, Andreas

PA Clariant GmbH, Germany

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1188800	A1	20020320	EP 2001-121135	20010904
	EP 1188800	B1	20031203		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 10045790	A1	20020328	DE 2000-10045790	20000915
	JP 2002146227	A	20020522	JP 2001-249893	20010821
	ES 2208506	T3	20040616	ES 2001-1121135	20010904
	US 2002065402	A1	20020530	US 2001-952499	20010913
	US 6504045	B2	20030107		
	CN 1344762	A	20020417	CN 2001-133101	20010914
PRAI	DE 2000-10045790	A	20000915		

AB New crystalline modifications of a yellow disazo pigment ( $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ ,  $\zeta$ ,  $\eta$ , each characterized by an X-ray powder diagram) were obtained by heating the raw pigment at 150-200° in a solvent for 10 min to 5 h. The crystalline forms have new and interesting color tones and can be used in various combinations. The pigment, di-Me aminoterephthalate $\rightarrow$ 2-chloro-N,N'-bis(acetoacetyl)-1,4-phenylenediamine, may be used in vehicles such as paints.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L2                   STRUCTURE UPLOADED  
D  
L3                   1 SEA SSS SAM L1 OR L2  
D SCAN  
L4                   46 SEA SSS FUL L1 OR L2

FILE 'CAPLUS' ENTERED AT 10:20:08 ON 04 JAN 2007

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D QUE L6 STAT  
D BIB ABS HITSTR  
L7                   17 SEA ABB=ON PLU=ON L5 NOT L6  
L8                   1 SEA ABB=ON PLU=ON L7 AND (BASE OR ALKALI OR ALKALINE)  
D  
D KWIC  
D BIB ABS  
D QUE L8 STAT  
D BIB ABS HITSTR  
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E GRIMM FELIX/AU  
L10                  19 SEA ABB=ON PLU=ON ("GRIMM FELIX"/AU OR "GRIMM FELIX W"/AU OR  
"GRIMM FELIX WENDELIN"/AU)  
E OPRAVIL MANFRED/AU  
L11                  28 SEA ABB=ON PLU=ON ("OPRAVIL M"/AU OR "OPRAVIL MANFRED"/AU)  
E WEBER JOACHIM/AU  
L12                  118 SEA ABB=ON PLU=ON ("WEBER JOACHIM"/AU OR "WEBER JOACHIM F  
L"/AU)  
L13                  177 SEA ABB=ON PLU=ON L9 OR L10 OR L11 OR L12  
L14                  7 SEA ABB=ON PLU=ON L13 AND DISAZO  
D QUE L14 STAT  
D 1-7 BIB ABS

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